

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	818	PPP and (facsimile or fax)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/11/17 13:02
S2	131	(PPP and (facsimile or fax)) and facsimile near4 communication	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/10/15 13:47
S3	53	((PPP and (facsimile or fax)) and facsimile near4 communication) and wireless	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/10/15 13:55
S4	14	(PPP near5 data) and facsimile near4 communication	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/10/15 13:48
S5	13	facsimile near2 communication near3 session	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/10/15 14:40
S6	5708	encapsulat\$3 near5 data	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/03/10 09:43
S7	9619	voice same (facsimile or fax)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/10/16 12:54
S8	668	voice near6 convert\$3 same (facsimile or fax)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/10/16 12:42
S9	432	(voice near6 convert\$3 same (facsimile or fax)) and voice near3 data	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/10/16 12:42
S10	41	((voice near6 convert\$3 same (facsimile or fax)) and voice near3 data) and audio near3 input	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/10/16 12:42
S11	422	voice near5 (facsimile or fax) near6 switch\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/10/16 12:55
S12	112	(voice near5 (facsimile or fax) near6 switch\$3) and facsimile near2 communication	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/10/16 14:11
S13	24	((voice near5 (facsimile or fax) near6 switch\$3) and facsimile near2 communication) and (offhook or (off-hook))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/10/16 14:11
S14	30	(voice near5 (facsimile or fax) near6 switch\$3) and vehicle near3 service	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/10/16 17:20
S15	0	(voice near5 (facsimile or fax) near6 switch\$3) and automobile near3 service	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/10/16 17:18

S16	2	"5854830".URPN.	USPAT	OR	ON	2003/10/16 17:18
S17	4	"6057943".URPN.	USPAT	OR	ON	2003/10/16 17:18
S18	3280	vehicle near3 service and communication	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/10/17 09:47
S19	1138	(vehicle near3 service and communication) and wireless	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/10/17 09:47
S20	677	((vehicle near3 service and communication) and wireless) and voice	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/10/17 09:47
S21	632	((((vehicle near3 service and communication) and wireless) and voice) and network	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/10/17 09:47
S22	204	(((((vehicle near3 service and communication) and wireless) and voice) and network) and (fax or facsimile)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2003/10/17 09:48
S23	98	encapsulat\$3 near5 (PPP or (point-to-point near2 protocol)) near3 data	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/03/10 09:52
S24	0	(PPP near3 data) and (facsimile or fax) near4 page near6 transmission	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/03/10 09:49
S25	489	(facsimile or fax) near4 page near6 transmission	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/03/10 09:50
S26	0	((facsimile or fax) near4 page near6 transmission) same encapsulat\$3	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/03/10 09:50
S27	3	(encapsulat\$3 near5 data) same facsimile near3 transmission	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/03/10 09:53
S28	35	encapsulat\$3 near5 data same (fax or facsimile)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/03/10 09:53
S29	9	(encapsulat\$3 near5 data) same (facsimile or fax) near3 transmission	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/03/10 09:53
S30	1	(PPP near5 data) same facsimile near4 communication	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/03/10 10:54
S31	0	PPP same payload same facsimile near3 page	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/03/10 10:55
S32	4	"6057943".URPN.	USPAT	OR	ON	2004/03/10 11:26

S33	48	extract near5 acknowledgement	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/03/18 15:17
S34	25869	expand\$3 near5 system	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/03/18 15:17
S35	51	expand\$3 near5 system same fax	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/03/18 15:45
S36	1	"10304010"	JPO	OR	ON	2004/03/18 15:47
S37	1	"11088591"	JPO	OR	ON	2004/03/18 15:49
S38	1	"6249811".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/03/18 15:49
S40	8	("5956691" "6055441" "6230024" "6389337" "6418324" "6487201" "6615186" "6633848").pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/11/12 13:26
S42	117	PPP and digital near4 (facsimile or fax)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/11/12 13:26
S43	11	S42 and encapsulat\$3 near5 data	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/11/12 13:22
S44	52	("5956691" "6055441" "6230024" "6389337" "6418324" "6487201" "6615186" "6633848")	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/11/12 13:26
S45	6	S44 and digital near4 (facsimile or fax)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/11/12 13:26
S46	15530	358/1\$.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/11/16 11:17
S47	4384	379/88\$.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/11/16 11:17
S48	301	(embed\$6 or encapsulat\$5) and (FAX near6 protocol)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/11/16 13:29
S49	8	S48 and S47	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/11/16 11:21
S50	16	S48 and S46	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/11/16 11:18
S51	366	("V.29" or "V.17" or "V.27ter" or "T.30") near6 protocol	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/11/16 11:27

S52	49	S51 and (S46 or S47)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/11/16 11:23
S53	6	S52 and (embed\$6 or encapsulat\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/11/16 11:23
S54	49	("V.29" or "V.17" or "V.27ter" or "T.30") near6 protocol and (PPP or point-to-point)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/11/16 11:28
S55	49	S54 and (@AD < "20000807" or @PRAD < "20000807" or @RLAD < "20000807")	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/11/16 13:30
S56	62	(embed\$6 or encapsulat\$5) and S51	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/11/16 13:30
S57	52	S56 and (@AD < "20000807" or @PRAD < "20000807" or @RLAD < "20000807")	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/11/16 13:30
S58	1	"6104505".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/11/17 13:02
S59	39	IS-130 or IS-135	US-PGPUB; USPAT; EPO; JPO	OR	ON	2004/11/17 13:02

Set	Items	Description
S1	3534243	DOCUMENT? OR FILE? OR OBJECT? OR PACKET? OR BLOCK? OR DATA OR MESSAGE OR E-MAIL OR EMAIL OR TEXT
S2	341	((DIGITAL OR ELECTRONIC)())(FAX OR FACSIMILE))(3N)((DIGITAL OR ELECTRONIC)())(FAX OR FACSIMILE))
S3	1175688	WRAPPER? OR WRAP?()AROUND OR FRAME? ? OR ENCAPSULAT? OR HE- ADER? ? OR ENCODE?
S4	3558212	INFORMATION OR FACT? OR DATA OR KNOWLEDGE OR CONTENT? OR P- AYLOAD
S5	4035771	TRANSMIT? OR TRANSFER? OR TRANSMISSION OR COMMUNICAT? OR C- ONVEY OR CONVEYING OR DELIVER? OR HANDOVER OR TURNOVER OR (HA- ND? OR TURN?)()OVER OR SEND?
S6	29	S2 AND S3

File 347:JAPIO Nov 1976-2004/Jul(Updated 041102)
(c) 2004 JPO & JAPIO

File 350:Derwent WPIX 1963-2004/UD,UM &UP=200473
(c) 2004 Thomson Derwent

6/5/10 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013399316 **Image available**
WPI Acc No: 2000-571254/200053
Related WPI Acc No: 2003-110246
XRPX Acc No: N00-422550

Digital message forming method involves forming CCITT T.30 non-standard
frame having sub- frames with one sub- frame indicating whether it is
last frame of message

Patent Assignee: RICOH CORP (RICO); RICOH KK (RICO)

Inventor: MALIK N I

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6104505	A	20000815	US 97841655	A	19970430	200053 B

Priority Applications (No Type Date): US 97841655 A 19970430

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6104505	A	20	H04N-001/00	

Abstract (Basic): US 6104505 A

NOVELTY - Data information to be included in digital message, is received from external source and stored at source terminal. Data information is divided into segments. A CCITT T.30 non-standard frame is formed, having first sub- frame with one segment and second sub- frame indicating whether it is the last frame of message and if not another CCITT T.30 non-standard frame is formed with sub- frame including a segment.

DETAILED DESCRIPTION - The data information is received from either of Fire Wire connector, RJ-11 connector, fiber optic connector, integrated services digital network connector, coaxial cable connector, universal serial bus connector, digital versatile disc apparatus, video camera, photocopier, computer and compact player. An INDEPENDENT CLAIM is also included for digital message forming apparatus.

USE - For formation of digital facsimile message to be routed to destination terminal.

ADVANTAGE - Routes any type of data information in facsimile message. Accepts non-facsimile information from a device which does not include modem facility, at source terminal and transmits the non-facsimile information in one or more non-standard frames to destination terminals.

DESCRIPTION OF DRAWING(S) - The figure shows data structure of non-standard frame and flowchart of process performed by destination server.

pp; 20 DwgNo 8, 9/11

Title Terms: DIGITAL; MESSAGE; FORMING; METHOD; FORMING; CCITT; NON;
STANDARD; FRAME ; SUB; FRAME ; ONE; SUB; FRAME ; INDICATE; LAST;
FRAME ; MESSAGE

Derwent Class: W01; W02

International Patent Class (Main): H04N-001/00

File Segment: EPI

6/5/14 (Item 9 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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010382011 **Image available**
WPI Acc No: 1995-283325/199537
Related WPI Acc No: 1994-220284
XRPX Acc No: N95-215641

Operating procedure for communication system using async. digital
facsimile protocol - exchanging preliminary command frames
representative of handshake protocol information and initiating error

correcting operation

Patent Assignee: RICOH CORP (RICO); RICOH KK (RICO)

Inventor: AHMED A Z

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5440405	A	19950808	US 92939612	A	19920902	199537 B
			US 9395292	A	19930721	
JP 7095381	A	19950407	JP 9460378	A	19940330	199539

Priority Applications (No Type Date): US 9395292 A 19930721; US 92939612 A 19920902

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 5440405	A		39	H04N-001/32	CIP of application US 92939612
JP 7095381	A		29	H04N-001/32	

Abstract (Basic): US 5440405 A

A handshake procedure is carried out for exchanging negotiation information including error correction capabilities data, contained in a collection of command **frames** between the calling and called appts. An error correction operation is also initiated.

A transmitter transmits and receives a data set between the calling and called appts. The data set includes associated data **frame** identification information, and its receipt is verified.

ADVANTAGE - Enables calling and called appts. to perform negotiation via async. digital data network during data transmission process.

Dwg.7/18

Title Terms: OPERATE; PROCEDURE; COMMUNICATE; SYSTEM; ASYNCHRONOUS; DIGITAL ; FACSIMILE; PROTOCOL; EXCHANGE; PRELIMINARY; COMMAND; **FRAME** ; REPRESENT ; HANDSHAKE; PROTOCOL; INFORMATION; INITIATE; ERROR; CORRECT; OPERATE

Derwent Class: W02

International Patent Class (Main): H04N-001/32

International Patent Class (Additional): H04L-029/06; H04N-001/333

File Segment: EPI

6/5/16 (Item 11 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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007731896 **Image available**

WPI Acc No: 1988-365828/198851

XRPX Acc No: N89-178506

Transfer control system for digital facsimile - comprises data transfer functions for digital and packet exchange networks Dwg 0/3

Patent Assignee: RICOH KK (RICO)

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 63276967	A	19881115	JP 878305	A	19870119	198851 B
US 4841373	A	19890620	US 88145236	A	19880119	198931

Priority Applications (No Type Date): JP 878305 A 19870119

Abstract (Basic): JP 63276967 A

The control method includes a step of selectively determining a data communication mode between a digital circuit switching mode and a packet switching mode. When the digital circuit switching mode has been selected, while optically reading the original to be transmitted, the amount of data stored for transmission and the time are checked.

If the amount of data stored for transmission has reached a predetermined amount before the time has reached a predetermined time, the amount of data stored for transmission is formed into a **frame** of data, which is then transmitted. On the other hand, if the time has reached the predetermined time before the amount of data stored for

transmission has reached the predetermined amount, an amount of data which has so far been stored is formed into a **frame** of data, which is then transmitted.

ADVANTAGE - Reduces communication time and cost. (First major country equivalent to J63276967) (6pp DWg.No.3/3) (Printed in week 8933
Title Terms: TRANSFER; CONTROL; SYSTEM; DIGITAL; FACSIMILE; COMPRISE; DATA;
TRANSFER; FUNCTION; DIGITAL; PACKET; EXCHANGE; NETWORK
Derwent Class: W02
International Patent Class (Additional): H04N-001/32
File Segment: EPI

6/5/18 (Item 13 from file: 350)
DIALOG(R) File 350:Derwent.WPIX
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007247837
WPI Acc No: 1987-244844/198735
XRPX Acc No: N87-183096

Encoding image data e.g. for digital facsimile - semi-thinning image
decomposing into thin and thick components and encoding separately
Patent Assignee: INT COMPUTERS LTD (INCM)
Inventor: HOLT M J J
Number of Countries: 001 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
GB 2187357	A	19870903	GB 8628512	A	19861128	198735 B
GB 2187357	B	19891108				198945

Priority Applications (No Type Date): GB 865007 A 19860228; GB 8628512 A
19861128

Abstract (Basic): GB 2187357 A

In the data encoding method the image is first partially thinned to produce a semi-thinned image in which most lines are reduced to skeletons, but thicker lines and solid areas remain more than one picture element (pel) wide. The semi-thinned image is then decomposed into a thin component containing the skeletal lines, and a thick component containing the remainder of the image. The two components are then **encoded** separately to ensure efficient encoding.

The thin component is **encoded** by chain-coding or pel-prediction coding, and the thick component by modified READ coding. In the decoding process an image buffer is initialised with all white pels. The chain-coded lines are then re-drawn by changing pels to black at the positions given by the decoded starting points and directions to reconstruct the thin component. The thick component is then added by decoding the modified READ data and superimposing each decoded scan line on the reconstructed image.

ADVANTAGE - **Encodes** images containing bolder black lines or solid black areas.

Title Terms: **ENCODE** ; IMAGE; DATA; DIGITAL; FACSIMILE; SEMI; THIN; IMAGE;
DECOMPOSE; THIN; THICK; COMPONENT; **ENCODE** ; SEPARATE
Derwent Class: W02
International Patent Class (Additional): H04N-001/41
File Segment: EPI

Set	Items	Description
S1	742	((DIGITAL OR ELECTRONIC)())(FAX OR FACSIMILE))(3N)((DIGITAL OR ELECTRONIC)())(FAX OR FACSIMILE))
S2	710	S1 NOT PY>2000
S3	697	S2 NOT PD>20000807
S4	544	RD (unique items)
S5	10	S4 (S) (WRAPPER? OR WRAP?())AROUND OR FRAME? ? OR ENCAPSULATION? OR HEADER? ? OR ENCODE?)
S6	222	S4 (S) (INFORMATION OR FACT? OR DATA OR KNOWLEDGE OR CONTENT? OR PAYLOAD)
File	2:INSPEC 1969-2004/Nov W1	(c) 2004 Institution of Electrical Engineers
File	6:NTIS 1964-2004/Nov W1	(c) 2004 NTIS, Intl Cpyrght All Rights Res
File	8:Ei Compendex(R) 1970-2004/Nov W1	(c) 2004 Elsevier Eng. Info. Inc.
File	34:SciSearch(R) Cited Ref Sci 1990-2004/Nov W2	(c) 2004 Inst for Sci Info
File	65:Inside Conferences 1993-2004/Nov W2	(c) 2004 BLDSC all rts. reserv.
File	92:IHS Intl.Stds.& Specs. 1999/Nov	(c) 1999 Information Handling Services
File	94:JICST-EPlus 1985-2004/Oct W3	(c)2004 Japan Science and Tech Corp(JST)
File	95:TEME-Technology & Management 1989-2004/Jun W1	(c) 2004 FIZ TECHNIK
File	99:Wilson Appl. Sci & Tech Abs 1983-2004/Sep	(c) 2004 The HW Wilson Co.
File	103:Energy SciTec 1974-2004/Nov B1	(c) 2004 Contains copyrighted material
File	144:Pascal 1973-2004/Nov W1	(c) 2004 INIST/CNRS
File	202:Info. Sci. & Tech. Abs. 1966-2004/Nov 02	(c) 2004 EBSCO Publishing
File	233:Internet & Personal Comp. Abs. 1981-2003/Sep	(c) 2003 EBSCO Pub.
File	275:Gale Group Computer DB(TM) 1983-2004/Nov 17	(c) 2004 The Gale Group
File	434:SciSearch(R) Cited Ref Sci 1974-1989/Dec	(c) 1998 Inst for Sci Info
File	647:CMP Computer Fulltext 1988-2004/Nov W1	(c) 2004 CMP Media, LLC
File	674:Computer News Fulltext 1989-2004/Sep W1	(c) 2004 IDG Communications
File	696:DIALOG Telecom. Newsletters 1995-2004/Nov 16	(c) 2004 The Dialog Corp.

5/5/1 (Item 1 from file: 2)
DIALOG(R) File 2:INSPEC
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02391410 INSPEC Abstract Number: B85013817, C85011459

Title: Facsimile: an effective mode of business communication

Author(s): Rasch, J.

Journal: The Office vol.98, no.5 p.143-51

Publication Date: Nov. 1983 Country of Publication: USA

CODEN: OFISAD ISSN: 0030-0128

Language: English Document Type: Journal Paper (JP)

Treatment: General, Review (G)

Abstract: Digital facsimile as an essential ingredient of future office-automation systems. Its digital bit-stream encoding dovetails naturally with other high-speed, digitally **encoded** technologies. Facsimile technology holds great promise for use with electronic mail, teleconferencing and office-automation systems. As it becomes accepted, facsimile probably will be seen as a function that does not lie entirely with facsimile-dedicated devices. Intelligent copier/printers and communicating text terminals will share this function. Several facsimile manufacturers offer products with multiple protocol capabilities and an interface for network communications. (0 Refs)

Subfile: B C

Descriptors: electronic mail; encoding; facsimile; office automation; teleconferencing

Identifiers: digital facsimile; intelligent copier/printers; business communication; office-automation systems; digital bit-stream encoding; electronic mail; teleconferencing; communicating text terminals; multiple protocol capabilities; interface; network communications

Class Codes: B6210P (Teleconferencing); C7104 (Office automation)

5/5/2 (Item 2 from file: 2)
DIALOG(R) File 2:INSPEC
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01585307 INSPEC Abstract Number: B80050100, C80028129

Title: International digital facsimile coding standards

Author(s): Hunter, R.; Robinson, A.H.

Author Affiliation: British Post Office Centre, Ipswich, UK

Journal: Proceedings of the IEEE vol.68, no.7 p.854-67

Publication Date: July 1980 Country of Publication: USA

CODEN: IEEPAD ISSN: 0018-9219

Language: English Document Type: Journal Paper (JP)

Treatment: Applications (A); Theoretical (T)

Abstract: Study Group XIV of CCITT has drafted a new Recommendation (T.4) with the aim of achieving compatibility between **digital facsimile** apparatus connected to general switched telephone networks. A one-dimensional coding scheme is used in which run lengths are **encoded** using a modified Huffman code. This allows typical A4 size documents in the form of black and white images scanned at normal resolution (3.85 lines/mm, 1728 pels/line) to be transmitted in an average time of about a minute at a rate of 4800 bit/s. The Recommendation also includes a two-dimensional code, known as the modified relative element address designate (READ) code, which is in the form of an optional extension to the one-dimensional code. This extension allows typical documents scanned at high (twice normal) resolution (with every fourth line one dimensionally coded) to be transmitted in an average time of about 75 s at 4800 bit/s. Describes the coding schemes in detail and discusses the factors which led to their choice. Assesses the performance of the codes, particularly in relation to their compression efficiency and vulnerability to transmission errors, making use of 8 CCITT reference documents. (32 Refs)

Subfile: B C

Descriptors: data compression; encoding; facsimile

Identifiers: switched telephone networks; run lengths; Huffman code; compression efficiency; transmission errors; CCITT reference documents; international digital facsimile coding standards; relative element address

designate code; READ code; two dimensional code

Class Codes: B6120B (Codes); B6140 (Signal processing and detection);
B6210H (Facsimile transmission); C1260 (Information theory)

5/5/4 (Item 4 from file: 2)

DIALOG(R) File 2:INSPEC

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01427529 INSPEC Abstract Number: B79048433, C79033674

Title: DYNAC: A low-cost data/voice communications network

Author(s): Salamoff, S.; Roos, D.; Steinhorn, J.

Author Affiliation: Digital Communications Corp., Gaithersburg, MD, USA

Journal: Telecommunications vol.13, no.8 p.71-2, 74, 76

Publication Date: Aug. 1979 Country of Publication: USA

CODEN: TLCOAY ISSN: 0040-2494

Language: English Document Type: Journal Paper (JP)

Treatment: General, Review (G)

Abstract: The Dynamic Network Assignment Communications (DYNAC) system is intended for real-time, full duplex data transmission requirements including computer-to-computer; data between interactive computer terminals and a central host computer; high speed **digital facsimile**; TWX/Telex service; electronic mail; thin route voice circuits; and freeze **frame** video teleconferencing, to mention only a few. The DYNAC terminal is a low-cost satellite communications earth terminal installed at the customer's site that utilizes state-of-the-art digital transmission techniques. Time Division Multiplex (TDM) and Time Division Multiple Access (TDMA) transmission schemes are employed because they are highly efficient methods for satellite communications. Microprocessor control provides a network flexibility that is unmatched today by any other system with similar parameters. This article describes the system and terminal operation, its capabilities, and applications for common-carrier and corporate networks. (0 Refs)

Subfile: B C

Descriptors: communication networks; computer networks; data communication systems; digital communication systems; satellite relay systems; voice communication

Identifiers: DYNAC; duplex data transmission; interactive computer terminals; digital facsimile; electronic mail; freeze frame video; teleconferencing; satellite communications earth terminal; data/voice communications network; dynamic network assignment communications system; TDM; TDMA; microprocessor control

Class Codes: B6210L (Computer communications); B6210P (Teleconferencing); B6250G (Satellite relay systems); C5620 (Computer networks and techniques)

5/5/5 (Item 1 from file: 8)

DIALOG(R) File 8:EI Compendex(R)

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00300216 E.I. Monthly No: EI7304020765 E.I. Yearly No: EI73050048

Title: DIGITAL PROCESSING OF SIGNALS IN COMMUNICATIONS.

Author: Cuthbert, L. G.; Coward, P. R.; Stevenson, J. K.; Broad, E. R.; Adams, P. F.; Martin, J. D.; Metcalfe, J.; Cain, G. D.; Huang, T. S.; Goodison, C. E.; Wendland, B.; May, F.; Connor, D. J.; Haskell, B. G.; Mounts, F. W.

Source: IERE Conf Proc, Digital Process of Signals in Commun, Held in Loughborough, Engl, Apr 11-13, 1972 n 23, Publ by IERE, London, 1972, 474 p
Publication Year: 1972

Language: ENGLISH

Journal Announcement: 7304

Abstract: Following is a continuation of the list of titles and authors: Design of Finite Duration Impulse Response Digital Filters Using Optimization Techniques. By L. G. Cuthbert and P. R. Coward. Reduction of Quantization Errors in Recursive Digital Filters. By J. K. Stevenson. Digital Filters. A Template Method of Design. By E. R. Broad and P. F. Adams. Digital Bandpass Filters. By J. D. Martin and J. Metcalfe. Staircase

Digital Filters Using Hilbert Transform Elements. By G. D. Cain. Digital Transmission of Halftone Pictures. By T. S. Huang. **Digital Facsimile** Techniques in Meteorological Telecommunications. By C. E. Goodison. Adaptive Source Coder for Television Signals. By B. Wendland and F. May. **Frame -to- Frame** Picturephone Coder for Signals Containing Differential Quantizing Noise. By D. J. Connor, B. G. Haskell and F. W. Mounts.

Descriptors: *SIGNAL PROCESSING; ELECTRIC FILTERS, DIGITAL; DIGITAL COMMUNICATION SYSTEMS; FACSIMILE; TELEVISION; TELEPHONE EQUIPMENT--Picturephone

Classification Codes:

713 (Electronic Circuits); 716 (Radar, Radio & TV Electronic Equipment)
; 718 (Telephone & Line Communications)
71 (ELECTRONICS & COMMUNICATIONS)
?t s5/5,k/6-10

5/5,K/6 (Item 1 from file: 275)
DIALOG(R) File 275:Gale Group Computer DB(TM)
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01233534 SUPPLIER NUMBER: 07080987

Brooktree's new roots. (Brooktree Corp.) (product announcement)

Woolnough, Roger

Electronic Engineering Times, n509, p20(1)

Oct 24, 1988

DOCUMENT TYPE: product announcement ISSN: 0192-1541 LANGUAGE:
ENGLISH RECORD TYPE: ABSTRACT

ABSTRACT: Brooktree announces the Bt70101 image decompression processor. The Bt70101 is an add-in card for IBM PC AT and compatible microcomputers that provides high-speed decompression of CCITT Group 3 and Group 4 **digital facsimile encoded** images and is expected to find uses in document filing systems, PC workstations that support image databases and high-speed fax servers for local-area networks. Brooktree also announces the Bt208 8-bit flash, video A-D converter designed specifically for image capture equipment. Typical uses of the Bt208 will be in picture transmission systems, broadcast video, scanners, capture boards and medical imaging devices. The Bt208 uses flash converter topology to achieve a sample rate of 20 million samples per second.

COMPANY NAMES: Brooktree Corp.--Product introduction

DESCRIPTORS: Computer Graphics; Product Introduction; Image Processing; Analog to Digital Converter; Boards/Cards

SIC CODES: 3674 Semiconductors and related devices; 3577 Computer peripheral equipment, not elsewhere classified

TRADE NAMES: Brooktree Bt70101 (Circuit board)--Product introduction; Brooktree Bt208 (Signal converter)--Product introduction

FILE SEGMENT: CD File 275

...ABSTRACT: PC AT and compatible microcomputers that provides high-speed decompression of CCITT Group 3 and Group 4 **digital facsimile encoded** images and is expected to find uses in document filing systems, PC workstations that support image databases...

5/5,K/7 (Item 2 from file: 275)
DIALOG(R) File 275:Gale Group Computer DB(TM)
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01133871 SUPPLIER NUMBER: 00641553

3M Corp.

MIS Week, v6 No.26, p23

June 26, 1985

DOCUMENT TYPE: product announcement ISSN: 0199-8838 LANGUAGE:
ENGLISH RECORD TYPE: ABSTRACT

ABSTRACT: 3M has announced the EMT **Digital Facsimile** Transceiver and MicroBond Reader Printer. The transceiver features include a transmission

rate of 9.6 Kbps and RS-232C port capabilities with modes of encryption, external modem, ASCII print, and digital output. The Micro-Bond Reader printer produces ten copies a minute and interfaces with many data base systems from personal computers up to main- **frames** .

DESCRIPTORS: Facsimile; Printers; New Product; Photocopiers
TRADE NAMES: EMT Digital Facsimile Transceiver; MicroBond Reader Printer
FILE SEGMENT: CD File 275

ABSTRACT: 3M has announced the EMT **Digital Facsimile** Transceiver and MicroBond Reader Printer. The transceiver features include a trasmission rate of 9.6 Kbps and...
...ten copies a minute and interfaces with many data base systems from personal computers up to main- **frames** .

5/5,K/8 (Item 3 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01042969 SUPPLIER NUMBER: 00513954
Honeywell Expands Teleconferences Via Audio, Slow-Scan and Facsimile.
Communications News, v21, n1, p58D-58E
Jan., 1984
ISSN: 0010-3632 LANGUAGE: ENGLISH RECORD TYPE: ABSTRACT

ABSTRACT: Honeywell Inc. has implemented a teleconferencing system that is now saving the company \$150,000 a month in travel expenses while increasing employee productivity. The company has conference rooms at ten locations, each designed for audio, facsimile, and captured- **frame** video communications over Honeywell's private voice network. Each room is equipped with a 3M EMT 9140 **digital facsimile** transceiver, as well as 3M transparency makers, which provide for overhead projection of transmitted images. (Teleconference room facilities are shown in photographs accompanying this article.)

SPECIAL FEATURES: illustration; photograph
COMPANY NAMES: Honeywell Inc.--Purchasing
DESCRIPTORS: Companies; Teleconferencing; Facsimile; Products;
Communications Technology; Communications Equipment; Networks
TRADE NAMES: 3M EMT 9140
FILE SEGMENT: CD File 275

...ABSTRACT: employee productivity. The company has conference rooms at ten locations, each designed for audio, facsimile, and captured- **frame** video communications over Honeywell's private voice network. Each room is equipped with a 3M EMT 9140 **digital facsimile** transceiver, as well as 3M transparency makers, which provide for overhead projection of transmitted images. (Teleconference room...

5/5,K/9 (Item 1 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
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00612267 CMP ACCESSION NUMBER: EET19881024S1163
Brooktree's new roots
ROGER WOOLNOUGH
ELECTRONIC ENGINEERING TIMES, 1988, n 509, 20
PUBLICATION DATE: 881024
JOURNAL CODE: EET LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: 509PG20
WORD COUNT: 499
TEXT:

London - Brooktree Corp., whose ICs have become virtually the de facto standard in the back end of computer graphics systems, is extending

its activities to the electronic imaging market.

... PC AT and compatible computers. It provides high-speed decompression of CCITT Group 3 and Group 4 **digital facsimile encoded** images, and is expected to find uses in document filing systems, PC workstations that support image databases...

5/5,K/10 (Item 2 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext
(c) 2004 CMP Media, LLC. All rts. reserv.

00611351 CMP ACCESSION NUMBER: EET19881128S0246

Brooktree brings fax to the max

ELECTRONIC ENGINEERING TIMES, 1988, n 514, 82

PUBLICATION DATE: 881128

JOURNAL CODE: EET LANGUAGE: English

RECORD TYPE: Fulltext

SECTION HEADING: 514PG82

WORD COUNT: 409

TEXT:

Brooktree Corp. has released an add-in card for the 80386-based IBM PC AT that delivers fast decompression of CCITT Group 3 and Group 4 **digital facsimile - encoded** images. The company also announced an 8-bit A/D converter specifically designed for image acquisition equipment.

TEXT:

... the 80386-based IBM PC AT that delivers fast decompression of CCITT Group 3 and Group 4 **digital facsimile - encoded** images. The company also announced an 8-bit A/D converter specifically designed for image acquisition equipment.